

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

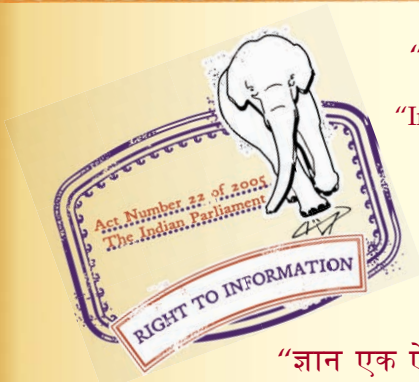
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 1134 (2004): Bicycle Bottom Bracket Lock
Ring--Specification (Third Revision). ICS 43.150



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

भारतीय मानक
साईकिल की तली की ब्रैकट के लॉक रिंग — विशिष्टि
(तीसरा पुनरीक्षण)

Indian Standard
BICYCLES BOTTOM BRACKET LOCK RING —
SPECIFICATION
(*Third Revision*)

ICS 43.150

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (Third Revision) was adopted by Bureau of Indian Standards, after the draft finalized by the Bicycles Sectional Committee had been approved by the Transport Engineering Division Council.

This Standard was first published in 1958 and subsequently revised in 1968 and 1985. 'PH' type and 'R' type bicycle bottom bracket lock rings were covered in two separate standards, namely, IS 1134 : 1985 and IS 11736 : 1986. This revision of the standard is being taken up to:

- a) include 'Holes' type bicycle bottom bracket lock rings, and
- b) amalgamate IS 1134 : 1985 with IS 11736 : 1986 since most of the requirements of both types of lock rings are same.

The composition of the Committee responsible for the formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

BICYCLES BOTTOM BRACKET LOCK RING — SPECIFICATION (Third Revision)

1 SCOPE

This standard covers the dimensions and other requirements for bicycle bottom bracket lock rings, 'PH' type, 'R' type and 'Holes' type.

2 REFERENCES

The following standards contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication the editions indicated were valid. All standards are subject to revisions, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
1068 : 1993	Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium — Specification (<i>third revision</i>)
1573 : 1986	Specification for electroplated coatings of zinc on iron and steel (<i>second revision</i>)
2062 : 1999	Steel for general structural purposes — Specification (<i>fifth revision</i>)
2500 (Part 1) : 2000	Sampling inspection procedures: Part 1 Attribute sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection (<i>third revision</i>)
11736 : 1986	Specification for bicycle bottom bracket lock ring (R-type).

3 DIMENSIONS

The 'PH' type, 'R' type and 'Holes' type lock rings shall conform to the dimensions indicated in Fig. 1, 2 and 3 respectively.

4 MATERIAL

The lock ring shall be made from steel conforming to IS 2062.

5 MANUFACTURE

5.1 The threaded portion of the lock ring shall be true

to the central axis and shall be full.

5.2 The outer surface of the lock ring shall be diamond knurled.

6 FINISH

The lock ring shall be either chemically coloured or zinc plated to service condition No. 2 (Classification No. FeZn12 of IS 1573) or nickel and chromium plated to Service Grade No. 1 (designation Fe/Ni 10b Cr r) of IS 1068.

7 MARKING

7.1 The lock ring shall be marked clearly and legibly with the following:

- a) Manufacturer's name and/or trade-mark;
- b) Batch No.; and
- c) Country of origin.

7.2 The bicycle bottom bracket lock ring may also be marked with the Standard Mark.

7.2.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of the Standard Mark may be granted to the manufacturers or producers may be obtained from the Bureau of Indian Standards.

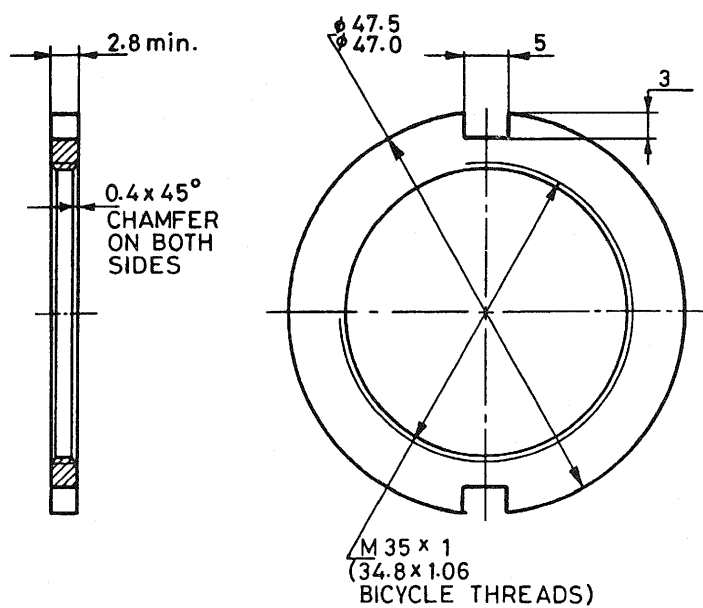
8 SAMPLING

8.1 Unless otherwise agreed to between the supplier and the purchaser, the procedure as given in IS 2500 (Part 1) shall be followed for sampling inspection. The inspection level, AQL and type of sampling plan for various characteristics shall be as given in 8.1.1.

8.1.1 For shape and dimensions, and workmanship and finish a single sampling plan with Special Inspection Level S-4 and AQL of 2.5 percent as given in Table 1 of IS 2500 (Part 1) shall be followed.

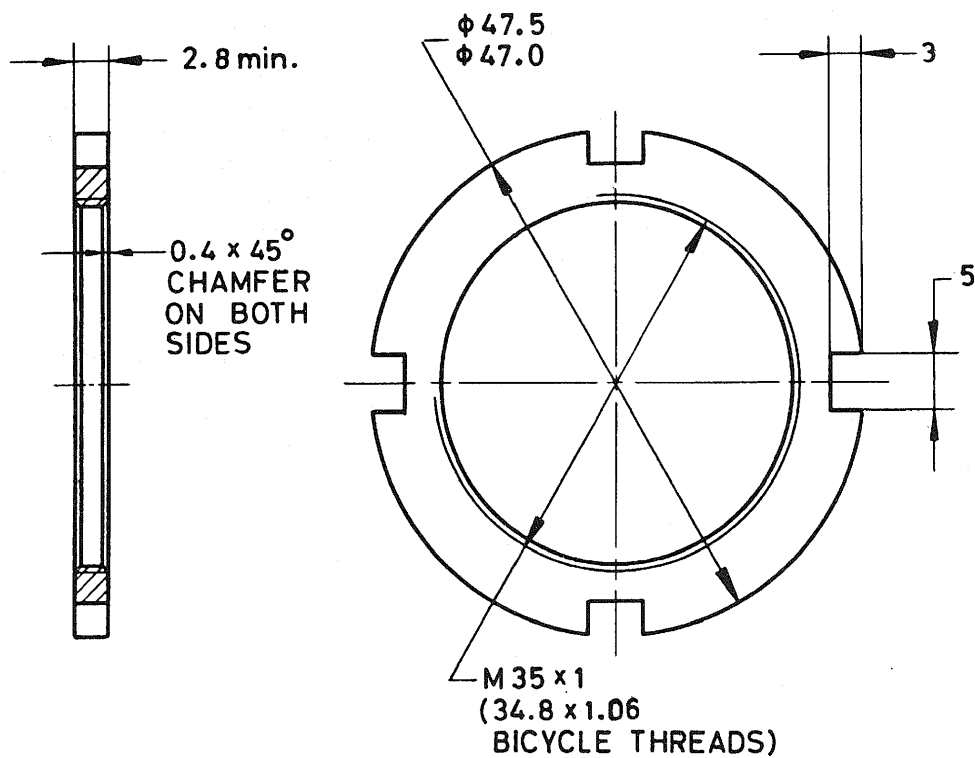
9 PACKING

Lock rings shall be wrapped in non-absorbent greased paper and polythene bags or the packing shall be as per the best prevalent trade practice.



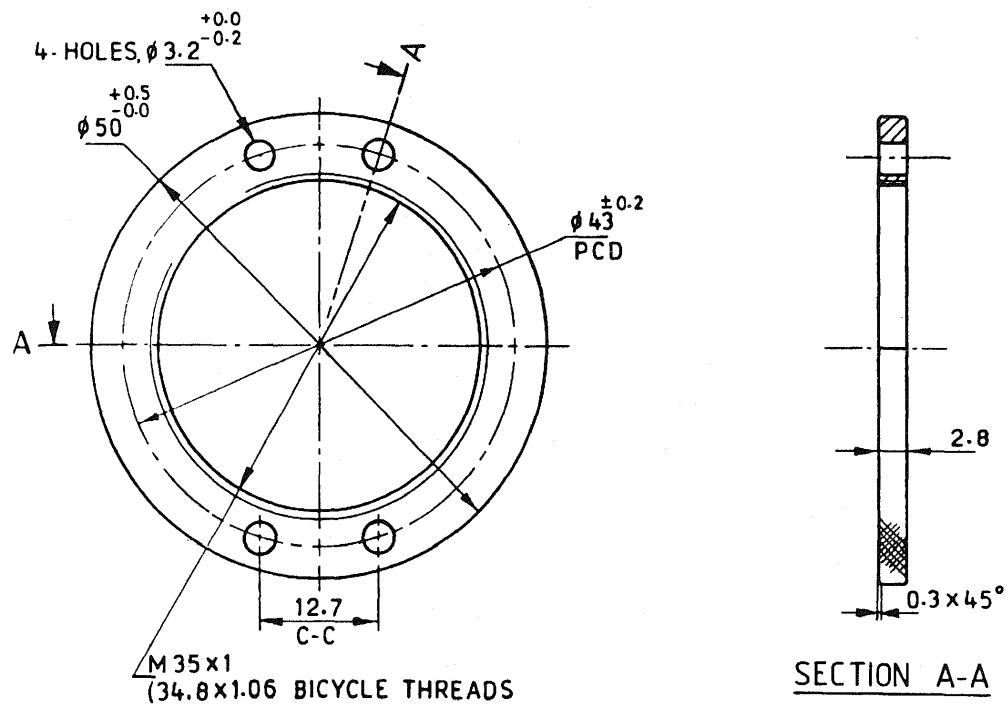
All dimensions in millimetres.

FIG. 1 BICYCLE BOTTOM BRACKET LOCK RING 'PH' TYPE



All dimensions in millimetres.

FIG. 2 BICYCLE BOTTOM BRACKET LOCK RING 'R' TYPE



All dimensions in millimetres.

FIG. 3 BICYCLE BOTTOM BRACKET LOCK RING 'HOLES' TYPE

ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Bicycles Sectional Committee, TED 16

<i>Organization</i>	<i>Representative(s)</i>
Hero Cycles Ltd, Ludhiana	SHRI S.K. RAI (<i>Chairman</i>)
Atlas Cycles (Haryana) Limited, Sonapat	SHRI BRIJMOHAN LAL (<i>Alternate</i>)
Avery Cycle Industries Ltd (Avon Group), Ludhiana	SHRI VIKRAM KAPUR
Avon Cycles Ltd, Ludhiana	SHRI ASHOK KUMAR (<i>Alternate</i>)
Bhogal Sons (Regd.), Ludhiana	SHRI HARCHARAN SINGH
Bicycle & Sewing Machines (R&D Centre), Ludhiana	SHRI ASHWANI KUMAR BHAKHAN (<i>Alternate</i>)
Controllorate of Quality Assurance (Vehicles), Ahmednagar	SHRI ONKAR SINGH PAHWA
Department of Industrial Policy and Promotion, New Delhi	SHRI RISHI PAHWA (<i>Alternate</i>)
Dewan Rubber Industries Ltd, Meerut	SHRI HARINDER P. BHOGAL
Director of Industries, Punjab, Ludhiana	SHRI NAGINDER SINGH BHOGAL (<i>Alternate</i>)
Directorate General of Supplies and Disposals, New Delhi	GENERAL MANAGER
Directorate of Industries, Government of Haryana, Chandigarh	SHRI SHAMSHER SINGH (<i>Alternate</i>)
Eastman Industries, Ludhiana	JOINT CONTROLLER (ID-A)
Govind Rubber Ltd, Distt Ludhiana	DEPUTY CONTROLLER (ID-A) (<i>Alternate</i>)
Hamilton Industries Pvt Ltd, Ambarnath	SHRI M. M. ALI KHAN
Hartex Rubber Ltd, Hyderabad	SHRI B. C. NAYAK (<i>Alternate</i>)
J. K. Cycles, Ludhiana	SHRI VIVEK DEWAN
Kular Cycle Industries, Ludhiana	SHRI C. K. SAXENA (<i>Alternate</i>)
Metro Tyres Limited, Ludhiana	GENERAL MANAGER
Nova Bicycle Industries, Ludhiana	SENIOR TECHNICAL OFFICER (<i>Alternate</i>)
Office of the Development Commissioner (SSI), New Delhi	SHRI S. M. MUNJAL
Ralson (India) Limited, Ludhiana	SHRI W. M. WANJARI (<i>Alternate</i>)
Sadem Industries, Ludhiana	SHRI R. N. GOYAL
Seth Industrial Corporation, Ludhiana	SHRI SUNIL CHOPRA (<i>Alternate</i>)
T. I. Cycles of India, Chennai	SHRI JAGDEEP SINGH
United Cycle & Parts Manufacturers Association, Ludhiana	SHRI VINOD PODDAR
BIS Directorate General	SHRI S. P. SUKHRANI (<i>Alternate</i>)
	SHRI M. R. PRAJAPATI
	SHRI P. R. RAVIKUMAR (<i>Alternate</i>)
	SHRI K. SUBRAMANIAN
	SHRI RAVINDRA PANT (<i>Alternate</i>)
	SHRI JOGINDER KUMAR
	SHRI AJIT SINGH
	SHRI DARSHAN SINGH (<i>Alternate</i>)
	SHRI L. K. MATHUR
	SHRI SANJEEV SOOD (<i>Alternate</i>)
	SHRI HARMINDER SINGH PAHWA
	SHRI ROHIT PAHWA (<i>Alternate</i>)
	SHRI R. L. GARG
	SHRI M. B. JAYA KUMAR (<i>Alternate</i>)
	SHRI SANJEEV PAHWA
	SHRI T. R. KUKREJA (<i>Alternate</i>)
	SHRI SATISH KUMAR DHANDA
	SHRI B. K. SETH
	SHRI S. SADISH KUMAR
	SHRI V. DURAIRAJ (<i>Alternate</i>)
	THE PRESIDENT
	THE SECRETARY (<i>Alternate</i>)
	SHRI K. K. VASHISTHA, Director & Head (TED)
	[Representing Director General (<i>Ex-officio</i>)]

Member Secretary

SHRI J. M. KHANNA

Joint Director (TED), BIS